



# **PART 25 SCS TEST REPORT**

**Report Number:** 14982484-E15V3

**Applicant :** APPLE, INC.  
1 APPLE PARK WAY  
CUPERTINO, CA 95014, U.S.A.

**BRAND :** APPLE

**Model :** A3081 (Parent Model)  
A3286, A3287, A3288 (Variant Models)

**FCC ID :** BCG-E8688A (Parent Model)  
BCG-E8689A, BCG-E8690A, BCG-E8691A (Variant Models)

**EUT Description :** SMARTPHONE

**Test Standard(s) :** FCC 47 CFR PART 25

**Date Of Issue:**  
2024-08-30

**Prepared by:**  
UL Verification Services Inc.  
47173 Benicia Street  
Fremont, CA 94538, U.S.A.  
TEL: (510) 771-1000  
FAX: (510) 661-0888



Revision History

| Rev. | Issue Date | Revisions                               | Revised By       |
|------|------------|-----------------------------------------|------------------|
| V1   | 2024-08-13 | Initial Review                          | --               |
| V2   | 2024-08-26 | Addressed TCB Questinons at Front Page. | Mengistu Mekuria |
| V3   | 2024-08-30 | Adding Part 90R.                        | Mengistu Mekuria |

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS .....4

2. TEST METHODOLOGY .....5

3. FACILITIES AND ACCREDITATION .....5

4. EQUIPMENT UNDER TEST .....5

    4.1. DESCRIPTION OF EUT .....5

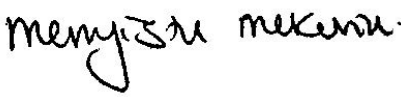
    4.2. SUPPLEMENTAL COVERAGE FROM SPACE (SCS).....6

## 1. ATTESTATION OF TEST RESULTS

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| Applicant Name and Address | APPLE, INC.<br>1 APPLE PARK WAY<br>CUPERTINO, CA 95014, U.S.A.             |
| Model                      | A3081 (TESTED)<br>A3286, A3287, A3288 (Variant Models)                     |
| BRAND                      | APPLE                                                                      |
| FCC ID                     | BCG-E8688A (Tested)<br>BCG-E8689A, BCG-E8690A, BCG-E8691A (Variant Models) |
| EUT Description            | SMARTPHONE                                                                 |
| Applicable Standards       | FCC PART § 25.109 (f), § 25.204 (g)                                        |
| Test Results               | COMPLIES                                                                   |

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

**Note:** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government (NIST Handbook 150, Annex A). This report is written to support regulatory compliance of the applicable standards stated above.

|                                                                                                                |                                                                                                      |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Approved & Released By:<br> | Prepared By:<br> |
| Mengistu Mekuria<br>Staff Laboratory Engineer<br>UL Verification Services Inc.                                 | Binod Sitaula<br>Laboratory Engineer Associate<br>UL Verification Services Inc.                      |

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following, as noted in the test reports referenced in section 4.2.

- ANSI C63.26:2015
- FCC 47 CFR Part 2, Part 22H, Part 24E, Part 27, and Part 90R
- FCC KDB 273109 D02 Part 25 SCS and CMRS-Bands v01

3. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at one or more of the locations noted below as documented in the test reports referenced in section 5.2.

|                                     | Address                                                  | ISED CABID | ISED Company Number | FCC Registration |
|-------------------------------------|----------------------------------------------------------|------------|---------------------|------------------|
| <input checked="" type="checkbox"/> | Building 1: 47173 Benicia Street, Fremont, CA 94538, USA | US0104     | 2324A               | 550739           |
| <input checked="" type="checkbox"/> | Building 2: 47266 Benicia Street, Fremont, CA 94538, USA |            |                     |                  |
| <input checked="" type="checkbox"/> | Building 3: 843 Auburn Court, Fremont, CA 94538, USA     |            |                     |                  |
| <input checked="" type="checkbox"/> | Building 4: 47658 Kato Rd, Fremont, CA 94538, USA        |            |                     |                  |
| <input checked="" type="checkbox"/> | Building 5: 47670 Kato Rd, Fremont, CA 94538, USA        |            |                     |                  |

4. EQUIPMENT UNDER TEST

4.1. DESCRIPTION OF EUT

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, 5G NR2, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), WPT and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible. This device is not user-serviceable and requires special tools to disassemble.

## 4.2. SUPPLEMENTAL COVERAGE FROM SPACE (SCS)

Under section § 25.109 (f) of the FCC rules Space and SCS earth stations providing SCS are subject to technical rules in parts 2, 22, 24, and 27 of this chapter based on the operating frequency band. Section § 25.204 (g) specifies that earth stations providing SCS pursuant to §§ 25.125 and 25.115 shall comply with the power requirements and out-of-band emission limits corresponding to devices operating in parts 22, 24, or 27 of this chapter (e.g., §§ 22.913, 24.232, 27.50), as required for their operating frequencies. We have clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.

The table below identifies the SCS frequencies available for use and, for each band, the applicable FCC Part 22, 24, 27, and 90R technical requirements, the air interfaces supported by the device for SCS use and, in the final column, the reference to the test report containing the relevant test data showing compliance with the technical requirements.

The bands available for SCS and the bands supported by the devices in the scope of this report are:

| Band           | Frequency   |           | Part 22/24/27 Rule parts           | 3GPP Band                 | Supported             | Reference to test report showing compliance with § 25.204 (g) for power requirements and out-of-band emission limits <sup>Note 1</sup> |
|----------------|-------------|-----------|------------------------------------|---------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|                | DL (MHz)    | UL (MHz)  |                                    |                           |                       |                                                                                                                                        |
| 600 MHz:       | 614-652     | 663-698   | 27.5 (c)<br>27.50 (c)<br>27.53 (g) | 71/n71                    | Yes <sup>Note 2</sup> | 14982484-E18                                                                                                                           |
| 700 MHz:       | 729 – 746   | 699 – 716 | 27.5 (c)<br>27.50 (c)<br>27.53 (g) | 12/n12<br>17              | Yes                   | 14982484-E18                                                                                                                           |
|                | 746 – 756   | 777 – 787 | 27.5 (b)<br>27.50 (b)<br>27.53 (f) | 13/n13                    | Yes                   | 14982484-E18                                                                                                                           |
|                | 758-769     | 788-799   | 90R <sup>Note 3</sup>              | 14 / n14                  | Yes <sup>Note 2</sup> | 14982484-E18                                                                                                                           |
|                | 805-806 MHz |           |                                    |                           | No                    |                                                                                                                                        |
| 800 MHz:       | 869-894     | 824-849   | 22H                                | WCDMA 5<br>5/n5<br>26/N26 | Yes                   | 14982484-E17<br>14982484-E18                                                                                                           |
| Broadband PCS: | 1930-1995   | 1850-1915 | 24E<br>24E                         | WCDMA 2<br>2/n2<br>25/n25 | Yes                   | 14982484-E17<br>14982484-E18                                                                                                           |

Note 1: Test reports are for the reference model FCC ID BCG-E8688A. Variant models were subject to spot checks in accordance with the test plan, approved via FCC KDB inquiry, and that data is in test report 14982485-E1 (2G/3G) and 14982485-E2 (LTE/5G NR)

Note 2: Not supported in FCC ID BCG-E8690A and BCG-E8691A (LTE/5G NR)

Note 3: Clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.

## END OF REPORT